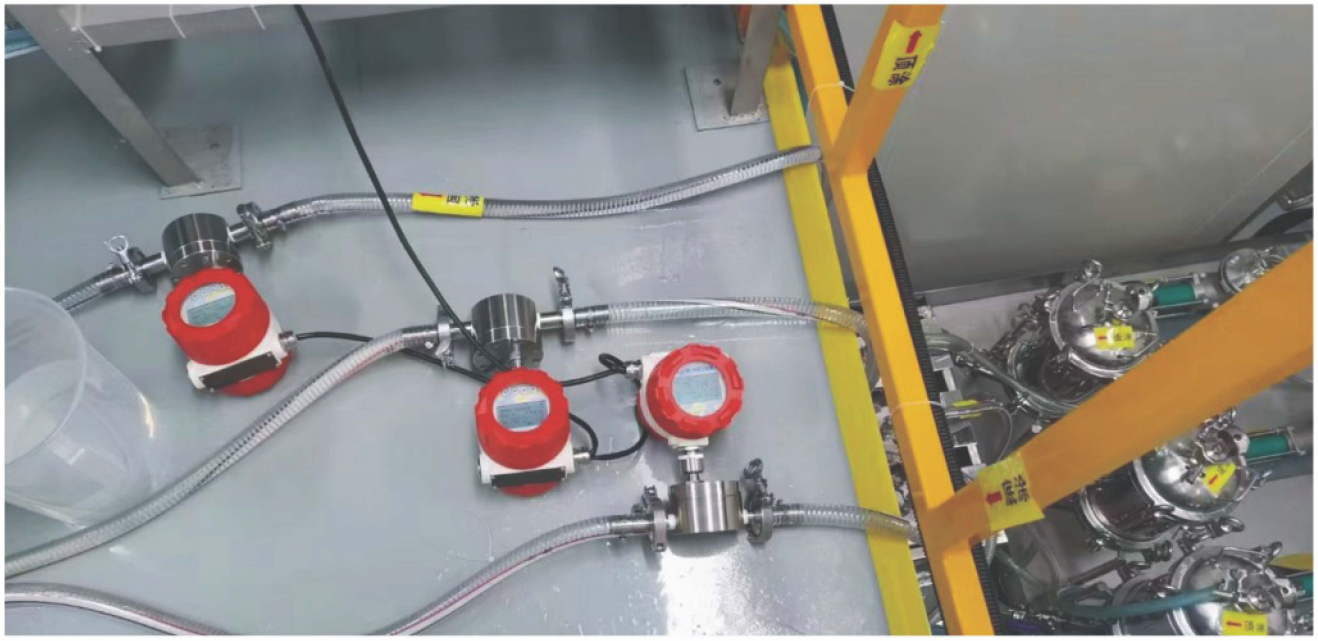
ABZAR TAMIN ARSHIA CO.



Circular Gear Flow Meter

# Circular Gear Flow Meter



## Main Features

- High pressure resistance (1.0–45MPa)
- High and low temperature resistance (–196℃–170℃)
- Various viscous media can be measured
- High precision and high repeatability
- Pulse output/analog output optional
- Wide range ratio (1:100)
- Wide measuring range
- Strong resistance to corrosion and pollution (acid and alkali)

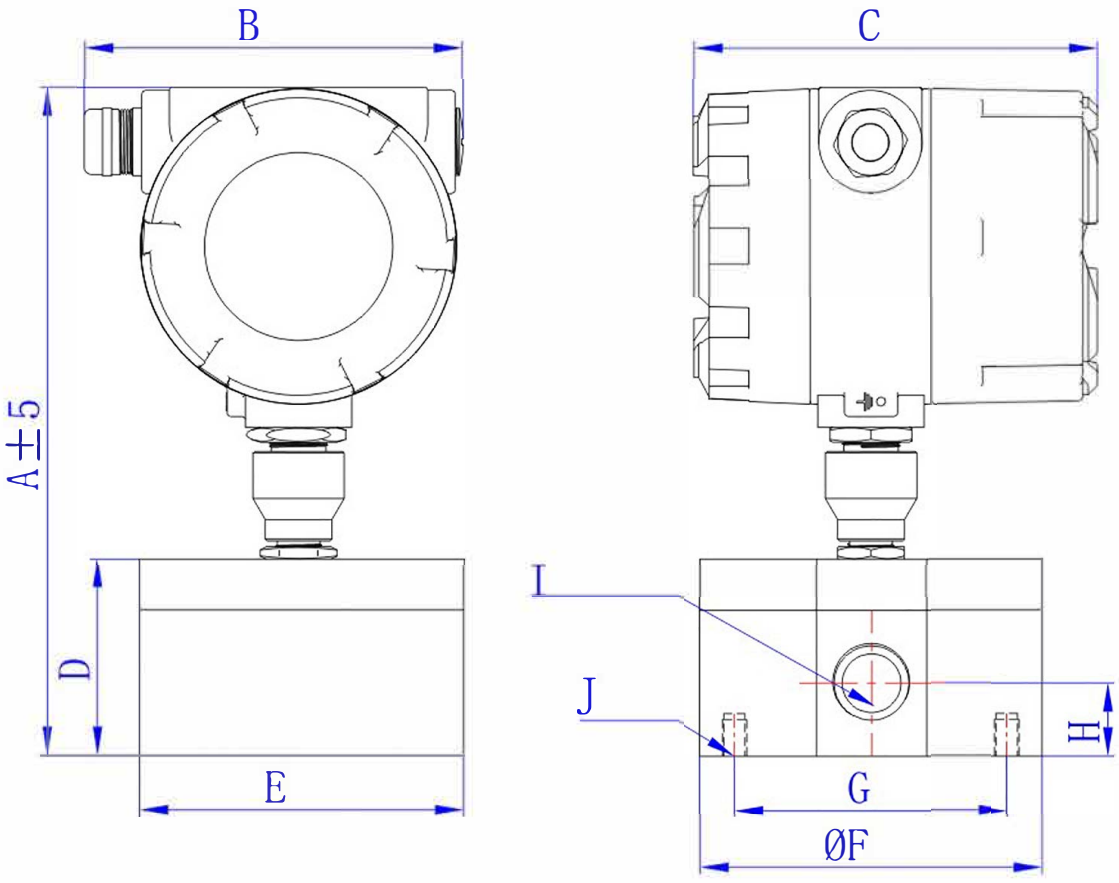
## Application areas

1.Resin and glue measurement
2.Hydraulic oil, lubricating oil and grease measurement
3.Fuel oil measurement
4.Ink and asphalt measurement
5.Liquid nitrogen, cryogenic liquid, solvent measurement
6.Edible oil, fish oil and food filling measurement
7.Chemical and anti–corrosion requirements fluid measurement
8.Fluid quantitative control system

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# Circular Gear Flow Meter

## Dimension




| Model | Б | Б | G | Б | Б | Б | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| GF02 | 210 | 125 | 135 | 55 | 79 | 83 | 40 | 18 | 2-G1/4 | 2-M6 |
| GF04 | 210 | 125 | 135 | 55 | 79 | 83 | 55 | 16 | 2-G3/8 | 2-M6 |
| GF06 | 220 | 125 | 135 | 65 | 77 | 83 | 55 | 19 | 2-G1/2 | 2-M6 |
| GF10 | 220 | 125 | 135 | 65 | 77 | 83 | 55 | 19 | 2-G1/2 | 2-M6 |
| GF15 | 220 | 125 | 135 | 65 | 107 | 113 | 90 | 24 | 2-G3/4 | 2-M6 |
| GF25 | 237 | 125 | 135 | 82 | 140 | 148 | 110 | 40 | 2-G1 | 2-M8 |
| GF32 | 255 | 125 | 135 | 100 | 160 | 218 | 180 | 45 | 2-G11/4 | 2-M8 |

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# Circular Gear Flow Meter

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## Flow Range Sheet

| Gear flow meter L/h | | | | | |
|---|---|---|---|---|---|
| Model | Flow range | K coefficient | Interface | Caliber | Note |
| BT-GF02 | 0.6-50 | 11200 | G1/4 | DN8 | Nomal temperature: -20°C-80°C<br>High temp.: 170°C<br>Low temp.: -196°C<br><br>Pressure:<br>1. 304SS/316L (Stainless steel)<br><5.0MPa Max 40MPa<br>2. AL6061 (Aluminum alloy)<br><1.6MPa Max 2.0MPa<br>3.PTFE <0.6MPa<br><br>Connection: Thread; Tri-clamp; Flange |
| BT-GF04 | 5-250 | 4780 | G3/8 | DN10 | |
| BT-GF06 | 10-500 | 3468 | G1/2 | DN15 | |
| BT-GF10 | 20-1200 | 2780 | G1/2 | DN15 | |
| BT-GF15 | 200-3000 | 334 | G3/4 | DN20 | |
| BT-GF25 | 1000-12000 | 110 | G1 | DN25 | |
| BT-GF32 | 2000-20000 | 40 | G1-1/4 | DN32 | |

## Selection Table

| BTGF | XXX | X | X | X | X |
|---|---|---|---|---|---|
| Specification /model | 02.04.06.10.15,25.32.40 | | | | |
| Sealing material | FKM | F | | | |
| | PTFE | P | | | |
| Connection mode | Thread | | 1 | | |
| | Flange | | 2 | | |
| | Chuck | | 3 | | |
| | Ferrule | | 4 | | |
| Electrode material | Pulse | | | 1 | |
| | 4-20mA | | | 2 | |
| | RS485 | | | 3 | |
| Material | Aluminum alloy | | | | 1 |
| | SS304 | | | | 2 |
| | SS316 | | | | 3 |
| | PTFE | | | | 4 |

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